	Application No.	Applicant(s)
Notice of Allowability	10/068,295	MITCHELL ET AL.
	Examiner	Art Unit
	LECHI TRUONG	2194

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the amendment filed on 05/01/2010*.

2. ☒ The allowed claim(s) is/are *1-3, 5-6, 19, 21, 23-25 now renumbered as claims 1-10*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the

            International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____.

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *12/17/2010* .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

/LeChi Truong/
Primary Examiner, Art Unit 2194

Examiner's Amendment

1.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

2.   Authorization for this examiner's amendment was given in a telephone interview with

John A. Fortkort (Registration number: 38,454) on 12/17/2010.

3.   Amend the following claims:

        1. (Currently Amended) An information-processing method including:

receiving a message;

ascertaining whether the message is in a selected application format;

        if the message is not in the selected application format:

                routing the message to a next location; and

        if the message is in the selected format:

                routing the message to a selected application processor;

                processing the message by the selected application processor; and

                routing the message to the next location[[.]] ;

wherein the selected application format relates to the encryption status of the

message, and wherein the message has a property selected from the group consisting of:

(a) the message is in the selected application format if it is not encrypted, and the

message is not in the selected application format if it is encrypted, and (b) the message is

in the selected application format if it is encrypted, and the message is not in the selected

application format if it is not encrypted;

wherein receiving a packet or the message from a network includes receiving the

packet from a packet switched network;

and processing the message by the selected application processor includes

decrypting the message by the selected application processor;

wherein first and second iterations of the method are performed, and wherein the

receiving a message of the second iteration corresponds to the routing of the message to a

next location of the first iteration, whereby the message is processed in a pipeline fashion.

2. (Previously Presented) The method of Claim 1, wherein receiving the message

includes receiving [[a]] the packet.

3. (Previously Presented) The method of claim 2, wherein receiving the packet

includes receiving the packet from [[a]] the network.

4. (Cancelled)

5. (Previously Presented) The method of Claim [[4]] 3, wherein the network is the

Internet.

6. (Previously Presented) The method of Claim 1, wherein

ascertaining whether the message is in [[a]] the selected application format

includes ascertaining whether the message is encrypted; and

processing the message by the selected application processor includes decrypting

the message by the selected application processor.

7-18 . (Cancelled)

19. (Currently Amended) An information-processing method, including:

receiving a message;

after receiving the message: ascertaining whether the message is

susceptible to be processed by a particular application;

if the message is susceptible to be processed by the particular application:

routing the message to an application service device that is adapted to use

the particular application to process the message;

after routing the message to the application service device: processing the

message by the application service device using the particular application;

after processing the message: routing the message to a next location; and if the

message is not an application-specific message: routing the message to the next

location;

wherein the particular application comprises a decryption application, wherein a

message susceptible to by processed by the particular application comprises an encrypted

message, wherein first and second iterations of the method are performed, and wherein

the receiving a message of the second iteration corresponds to the routing of the message

to the next location of the first iteration, whereby the message is processed in a pipeline

fashion.

20. (Cancelled)

21. (Previously Presented) The information-processing method of Claim [[20]]

19, wherein the message is a packet.

22. (Cancelled)

23. (Currently Amended) A method for processing information, comprising:

receiving a packet in a packet filter from a switched network;

ascertaining whether the packet is in sequence or out of sequence;

if the packet is out of sequence:

routing the packet to a packet sequencer, and

routing the packet from the packet sequencer to a selected application processor;

and

if the packet is in sequence:

routing the packet to a selected application processor;

processing the packet by the selected application processor; and

routing the packet to the next location;

wherein processing the packet by the selected application processor includes

decrypting the packet, wherein first and second iterations of the method are

performed, and wherein the receiving a message of the second iteration

corresponds to the routing of the message to the next location of the first iteration,

whereby the message is processed in a pipeline fashion.

24. (Currently Amended)   The method of claim 1, ~~wherein the selected~~

~~application format relates to the encryption status of the message,~~ wherein the message is

in the selected application format if it is encrypted, and wherein the message is not in the

selected application format if it is not encrypted.

25. (Currently Amended)   The method of claim 1, ~~wherein the selected~~

~~application format relates to the encryption status of the message,~~ wherein the message is

in the selected application format if it is not encrypted, and wherein the message is not in

the selected application format if it is encrypted.

3.   The following is an examiner's statement of reasons for allowance:

As to claims 1, 19, 23 the prior arts do not teach on render obvious the limitations

recited in claims 1, 19, 23 when taken in the context of the claims as a whole,   if the

message is not in the selected application format: routing the message to a next location;

and if the message is in the selected format: routing the message to a selected application

processor; processing the message by the selected application processor; and routing the

message to the next location; wherein the selected application format relates to the

encryption status of the message, and wherein the message has a property selected from

the group consisting of: (a) the message is in the selected application format if it is not

encrypted, and the message is not in the selected application format if it is encrypted, and

(b) the message is in the selected application format if it is encrypted, and the message is

not in the selected application format if it is not encrypted; wherein receiving the packet

from a network includes receiving the packet from a packet switched network; and

processing the message by the selected application processor includes decrypting the

message by the selected application processor as recited in the independent claim1 ,

routing the message to a next location; and if the message is not an application-specific

message: routing the message to the next location; wherein the particular application

comprises a decryption application, wherein a message susceptible to by processed by the

particular application comprises an encrypted message, wherein first and second

iterations of the method are performed, and wherein the receiving a message of the

second iteration corresponds to the routing of the message to the next location of the first

iteration, whereby the message is processed in a pipeline fashion, as recited in claim 19

and if the packet is in sequence: routing the packet to a selected application processor;

processing the packet by the selected application processor; routing the packet to the

next location ; wherein processing the packet by the selected application processor

includes decrypting the packet, wherein first and second iterations of the method are

performed, and wherein the receiving a message of the second iteration corresponds to

the routing of the message to the next location of the first iteration, whereby the message

is processed in a pipeline fashion as recited in claim 23. Moreover, evidence for

modifying the prior art teachings by one of ordinary skill level in the art was not

uncovered so as to result in the invention as recited in claims   1, 19, 23 above.

4.   Any comments considered necessary by applicant must be submitted no later than

the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to LeChi Truong whose telephone number is (571) 272-3767. The

examiner can normally be reached on 8 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Sough Hyung can be reached on (571) 272-6799. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR of Public PAIP. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIP

system, contact the Electronic Business Center (EBC) at 866-217-9197(toll-free).

 /LeChi Truong/

Primary Examiner, Art Unit 2194

LeChi Truong

January 5, 2011